

**85775**

CUSTOMER NUMBER

**PATENT**

**Docket No: 1004435-001US**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

<b>Applicant(s) :</b>	Timothy Cameron RALPH Elanor HUNTINGTON	<b>Confirmation No.:</b> 5231
<b>Serial No. :</b>	10/577,799	<b>Group Art Unit:</b> 2872
<b>Filed :</b>	November 28, 2006	<b>Examiner:</b> Jade R. Callaway
<b>For :</b>	COMPONENTS FOR OPTICAL QUBITS IN THE RADIO FREQUENCY BASIS	

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION**

SIR:

This responds to the **Final Office Action** mailed on September 4, 2009.

**This paper is being filed within two months from the date of the Final Office Action.**

Accordingly, if the claims are not allowable based upon the amendments herein, an Advisory Action is respectfully requested.

**Amendments to the claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks** begin on page 5 of this paper.